

Amendments to Abstract:**ABSTRACT**

Electromagnetic device for fusion and interfacial agitation of diphase systems, particularly for the acceleration of metallurgic or pyrochemical processes:-

— ~~This device comprises, which includes~~ for example a crucible (2, 28), to contain a diphase system, an inductor (4) surrounding this crucible, and ~~means (18)~~ a circuit for the supply of the inductor by a current with two components, namely a high frequency component which melts the phases of the system and a low frequency component which agitates the interface ~~(12)~~ of the phases.

~~Figure 2.~~

REPLACEMENT PAGE

ABSTRACT

Electromagnetic device for fusion and interfacial agitation of diphasic systems, particularly for the acceleration of metallurgic or pyrochemical processes, which includes for example a crucible to contain a diphasic system, an inductor surrounding this crucible, and a circuit for the supply of the inductor by a current with two components, namely a high frequency component which melts the phases of the system and a low frequency component which agitates the interface of the phases.